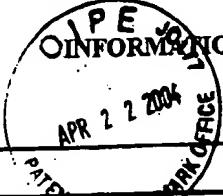
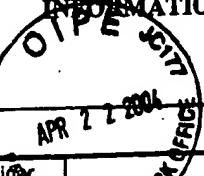
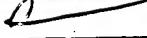


Form PTO-1449 (Rev. 8-83)		U.S. Patent and Trademark Office	Atty Docket 0756-875	Serial No. 08/065,757	
 INFORMATION DISCLOSURE STATEMENT		Applicants: Shunpei YAMAZAKI			
		Filing Date: May 24, 1993		Group Art Unit: 1109	
U.S. PATENT DOCUMENTS					
Examiner Initial	Document Number	Date	Name	Class	Subclass
Q	4,797,510	01/10/1989	Mihelich		
Q	4,826,808	05/02/1989	Yurek et al.		
C	4,900,715	02/13/1990	Cooper et al.		
A	4,916,116	04/10/1990	Yamazaki		
Q	4,959,345	09/25/1990	Yamazaki		
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FOREIGN PATENT DOCUMENTS					
Examiner Initial	Document Number	Date	Country	Class	Subclass
Q	63-225531	09/20/1988	JP		Eng Abst
	63-225572	09/20/1988	JP		Eng Abst
	63-230563	09/27/1988	JP		Eng Abst
	63-233063	09/28/1988	JP		Eng Abst
	63-233064	09/28/1988	JP		Eng Abst
	63-236712	10/03/1988	JP		Eng Abst
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Examiner Initial					
Q	Er-Rakho et al., "A Series of Oxygen-Defect Perovskites Containing Cu ^{II} and Cu ^{III} in the Oxides La _{3-x} Ln _x Ba ₃ [Cu _{5-x} ^{II} Cu _x ^{III} O _{4+y}]", pp. 151-156, 1981, Journal of Solid State Chemistry 37				
	LePage et al., "Room-Temperature Structure of the 90K Bulk Superconductor YBa ₂ Cu ₃ O _{8-x} ", pp. 7245-7248, May 1, 1987, Physical Review B Vol. 35, No. 13				
C	Engler et al., "Superconductivity Above Liquid Nitrogen Temperature: Preparation and Properties of a Family of Perovskite-Based Superconductors", pp. 2848-2849, 1987, J. Am. Chem. Soc., 109				
Q	Shaplygin et al., "Preparation and Properties of the Compounds Ln ₂ CuO ₄ (Ln=La, Pr, Nd, Sm, Eu, Gd) and Some of their Solid Solutions", pp. 820-824, 1979, Russian Journal of Inorganic Chemistry, 24(6)				
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	Chemical Abstracts, CA 109:161912, for BR 8,702,554, (11-87)				
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Q	Terascon et al., "Oxygen and Rare-Earth Doping of the 90-K Superconducting Perovskite YBa ₂ Cu ₃ O _{7-x} ", pp. 226-234, July 1, 1987, Physical Review B, 36(1)				
G	Hor et al., "High-Pressure Study of the New Y-Ba-Cu-O Superconducting Compound System", pp. 911-912, March 2, 1987, Physical Review Letters, Vol. 58, No. 9				
Examiner	Date Considered 3/11/05				
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449 (Rev. 8-83)		Department of Commerce Patent and Trademark Office	
INFORMATION DISCLOSURE STATEMENT		Atty Docket 0756-875	Serial No. 08/065,757
		Applicants: Shunpei YAMAZAKI	
		Filing Date: May 24, 1993	Group Art Unit: 1109
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
Examiner Initial			
(B)	Jorgansen et al., "Lattice Instability and High-Tc Superconductivity in La...", pp. 1024-1027, March 9, 1987, Physical Review Letters, Vol. 58, No. 10		
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Examiner	 Date Considered 3/21/05		

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APR 22 2004
U.S. PATENT AND TRADEMARK OFFICE

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	08/065,757
				Filing Date	May 24, 1993
				First Named Inventor	Shunpei YAMAZAKI
				Art Unit	1755
				Examiner Name	Carol Koslow
				Attorney Docket Number	740756-875
Sheet	3	of	3		

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (<i>if known</i>)			
C		US-6,506,709 B1	01/14/2003	Yamazaki	
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ (<i>if known</i>) Kind Code ⁵ (<i>if known</i>)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
C		Extended Abstracts of Annual Scholar Meeting (The 36 th Spring Meeting, 1989) 2A-E-7/pp. 101			
C		Extended Abstracts of Annual Scholar Meeting (The 36 th Spring Meeting, 1989) 2A-E-8/pp. 101			
		Shunpei Yamazaki "Official Action for Serial No. 07/859,254 dated November 5, 2003"			
Examiner Signature		<i>C</i>		Date Considered	3/21/05

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	08/065,757
Sheet	1	of	24	Filing Date	May 24, 1993
				First Named Inventor	Shunpei YAMAZAKI
				Art Unit	1755
				Examiner Name	Carol M. Koslow
				Attorney Docket Number	740756-875

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		US-			
		US-			

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		Country Code ³ Number ⁴ Kind Code ³ (if known)			
C		AU-B-12783/88	09-15-88	BEYERS, et al.	
C		AU-B-10014/88	08-11-88	VAN DOVER et al.	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
C		FISHER, Superconductor Mysteries Unravel as Developments Proceed, CERAMIC BULLETIN, 1988, pp. 725-733, Vol. 67, No. 4.			
O		Beno et al., Structure of the single-phase high-temperature superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$, Appl. Phys. Lett., 6 July 1987, pp. 57-59, Vol. 51, No. 1.			
G		HATANO et al., Superconducting and Transport Properties of B-Y-Cu-O Compounds-Orthorhombic and Tetragonal Phases, Japanese Journal of Applied Phys., May 1987, pp. L721-L723, Vol. 26, No. 5.			
B		RAO et al., High T_c Superconductivity in Quasi Two-Dimensional Copper Oxides of K_2NiF_4 Structure, Current Science, January 20, 1987, pp. 47-49, Vol. 56, No. 2.			
Q		NAKAMURA et al., High T_c Superconductivity Based on the Square Planar $[\text{CuO}_4]_{\infty}$ -Bonding System in K_2NiF_4 -Type $(\text{A}, \text{A}^*)_2\text{CuO}_4$ and Oxygen-Deficient Perovskite $(\text{Ba}_2\text{A})\text{Cu}_3\text{O}_7$, Japanese Journal of Applied Physics, May 1987, pp. L678-L681, Vol. 26, No. 5.			

Examiner Signature	<i>C</i>	Date Considered	5/21/05
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Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	08/065,757
Sheet	2	Of	14	Filing Date	May 24, 1993
				First Named Inventor	Shunpei YAMZAKI
				Group Art Unit	1755
				Examiner Name	Carol M. Koslow
				Attorney Docket Number	740756-875

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Q		KISHIO et al., Superconductivity Achieved at Over Liquid Nitrogen Temperature by (Mixed Rare Earths)-Ba-Cu Oxides, Japanese Journal of Applied Physics, May 1987, pp. L694-L696, Vol. 26, No. 5.			
C		OOTA et al., Electrical, Magnetic and Superconducting Properties of the High-T _c Superconductor Er _{1-x} Yb _x Ba ₂ Cu ₃ O _{7-δ} , Japanese Journal of Applied Physics, December 1987, pp. L2091-L2093, No. 12.			
Q		ISHIDA, Compositional Variation of High T _c in Yb _x Er _{1-x} Ba ₂ Cu ₃ O _{6+y} System, Japanese Journal of Applied Physics, August 1987, pp. L1294-L1295, Vol. 26, No. 8.			
G		IHARA et al., Possibility of Superconductivity at 65°C in Sr-Ba-Y-Cu-O System, Japanese Journal of Applied Physics, August 1987, pp. L1413-L1415, Vol. 26, No. 8.			
C		TAKAGI et al., High-T _c Superconductivity of La-Ba-Cu Oxides. II.-Specification of the Superconducting Phase, Japanese Journal of Applied Physics, February 1987, pp. L123-L124, Vol. 26, No. 2.			
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Q		TAMEGAI et al., Structures and Upper Critical Fields of High T _c Superconductors (RE)Ba ₂ Cu ₃ O _x , Japanese Journal of Applied Physics, August 1987, pp. L1304-L1306, Vol. 26, No. 8.			

Examiner Signature	<i>Q</i>	Date Considered	3/21/05
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² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	08/065,757
Sheet	3	Of	34	Filing Date	May 24, 1993
				First Named Inventor	Shunpei YAMZAKI
				Group Art Unit	1755
				Examiner Name	Carol M. Koslow
				Attorney Docket Number	740756-875

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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B		SODERHOLM et al., Incorporation of Pr in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$; electronic effects on superconductivity, Nature, 13 August 1987, pp. 604-605, Vol. 328.			
G		OKAI et al., Preparation and Physical Properties of $\text{PrBa}_2\text{Cu}_3\text{O}_y$, Japanese Journal of Applied Physics, October 1987, pp. L1648-L1650, Vol. 26, No. 10.			
B		JAYARAM et al., High Temperature Superconductivity in Y-Ba-Cu-O and Y-Ba-Sr-Cu-O Systems, Solid State Communications, 1987, pp. 713-716, Vol. 63, No. 8.			
G		ONO et al., Superconductivity in $\text{Ba}_{2(1-x)}\text{Sr}_{2x}\text{YC}_{u_3}\text{O}_{7-y}$, Japanese Journal of Applied Physics, October 1987, pp. L1687-L1689, Vol. 26, No. 10.			

Examiner Signature		Date Considered	3/21/05
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>					
Sheet	34	of	34	Attorney Docket Number	740756-875

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY		
		US-6,506,709-B1	01/14/2003	Yamazaki	
		US-			

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

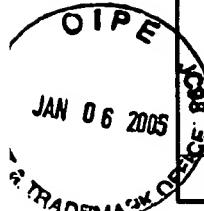
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		Extended Abstracts of Annual Scholar Meeting (The 36 th Spring Meeting, 1989) 2A-E-7/pp. 101	
		Extended Abstracts of Annual Scholar Meeting (The 36 th Spring Meeting, 1989) 2A-E-8/pp. 101	
		Shunpei Yamazaki "Official Action for Serial No. 07/859,254 dated November 5, 2003"	

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				Filing Date	May 24, 1993
				First Named Inventor	Shunpei YAMAZAKI
				Art Unit	1755
				Examiner Name	Carol M. Koslow
Sheet	1	of	1	Attorney Docket Number	740756-875

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		Country Code ² Number ³				

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<i>G</i>		YOSHIDA, Characteristics in the Growth of the $\text{YBa}_2\text{Cu}_2\text{O}_x$ and $\text{YBaSrCu}_3\text{O}_x$ Crystalline Films, Japanese Journal of Applied Physics, July 1988, pp. L1248-L1250, Vol. 27, No. 7.	
<i>G</i>		HIRABAYASHI et al., Structure and Superconductivity in a New Type of Oxygen Deficient Perovskites $\text{Y}_1\text{Ba}_2\text{Cu}_3\text{O}_7$, Japanese Journal of Applied Physics, April 1987, pp. L454-L455, Vol. 26, No. 4.	

Examiner Signature		Date Considered	3/21/05
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